



SEQUENCE LISTING

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Shi, Wenyuan  
Anderson, Maxwell  
Morrison, Sherie  
Trinh, Kham  
Wims, Letitia  
Chen, Li

<120> Fusion Proteins for Targeted Delivery of Antimicrobial Peptides

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<141> 2001-07-10

<150> US 09/378,577  
<151> 1999-08-20

<160> 15

<170> PatentIn version 3.1

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Asp Ser His Ala Lys Arg His His Gly Tyr Lys Arg Lys Phe	
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cac gag aag cac cac tcg cac aga gga tac tct ggt ggc ggt ggc tcg	158
His Glu Lys His His Ser His Arg Gly Tyr Ser Gly Gly Gly Gly Ser	
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ggc gga ggt ggg tcg ggt ggc ggc gga tcc gac gtg aag ctt gtg gag	206
Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Asp Val Lys Leu Val Glu	
35 40 45	

tct ggg gga ggc tta gtg aac cct gga ggg tcc ctg aaa ctc tcc tgt	254
Ser Gly Gly Gly Leu Val Asn Pro Gly Gly Ser Leu Lys Leu Ser Cys	
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gca gcc tct gga ttc act ttc agt agc tat acc atg tct tgg gtt cgc	302
Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr Thr Met Ser Trp Val Arg	
65 70 75	
cag act ccg gag aag agg ctg gag tgg gtc gca tcc att agt agt ggt	350
Gln Thr Pro Glu Lys Arg Leu Glu Trp Val Ala Ser Ile Ser Ser Gly	
80 85 90	
ggg act tac acc tac tat cca gac agt gtg aag ggc cga ttc acc atc	398
Gly Thr Tyr Thr Tyr Pro Asp Ser Val Lys Gly Arg Phe Thr Ile	
95 100 105 110	
tcc aga gac aat gcc aag aac acc ctg tac ctg caa atg acc agt ctg	446
Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr Leu Gln Met Thr Ser Leu	
115 120 125	
aag tct gag gac aca gcc atg tat tac tgt tca aga gat gac ggc tcc	494
Lys Ser Glu Asp Thr Ala Met Tyr Tyr Cys Ser Arg Asp Asp Gly Ser	
130 135 140	
tac ggc tcc tat tac tat gct atg gac tac tgg ggt caa gga acc tca	542
Tyr Gly Ser Tyr Tyr Tyr Ala Met Asp Tyr Trp Gly Gln Gly Thr Ser	
145 150 155	
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Asp Ser His Ala Lys Arg His His Gly Tyr Lys Arg Lys Phe His Glu
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Lys His His Ser His Arg Gly Tyr
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 35 40 45

Ala Ser Ile Ser Ser Gly Gly Thr Tyr Thr Tyr Tyr Pro Asp Ser Val  
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr  
 65 70 75 90

Leu Gln Met Thr Ser Leu Lys Ser Glu Asp Thr Ala Met Tyr Tyr Cys  
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 Lys Arg Leu Phe Lys Glu Leu Lys Phe Ser Leu Arg Lys Tyr  
 1 5 10  
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 Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser  
 15 20 25 30  
 gac gtg aag ctt gtg gag tct ggg gga ggc tta gtg aac cct gga ggg 206  
 Asp Val Lys Leu Val Glu Ser Gly Gly Gly Leu Val Asn Pro Gly Gly  
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 Ser Leu Lys Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr  
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 Thr Met Ser Trp Val Arg Gln Thr Pro Glu Lys Arg Leu Glu Trp Val  
 65 70 75  
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 Ala Ser Ile Ser Ser Gly Gly Thr Tyr Thr Tyr Tyr Pro Asp Ser Val  
 80 85 90  
 aag ggc cga ttc acc atc tcc aga gac aat gcc aag aac acc ctg tac 398  
 Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr  
 95 100 105 110  
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 Leu Gln Met Thr Ser Leu Lys Ser Glu Asp Thr Ala Met Tyr Tyr Cys  
 115 120 125  
 tca aga gat gac ggc tcc tac ggc tcc tat tac tat gct atg gac tac 494  
 Ser Arg Asp Asp Gly Ser Tyr Gly Ser Tyr Tyr Tyr Ala Met Asp Tyr  
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20 25 30

Thr Met Ser Trp Val Arg Gln Thr Pro Glu Lys Arg Leu Glu Trp Val  
35 40 45

Ala Ser Ile Ser Ser Gly Gly Thr Tyr Thr Tyr Tyr Pro Asp Ser Val  
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr  
65 70 75 80

Leu Gln Met Thr Ser Leu Lys Ser Glu Asp Thr Ala Met Tyr Tyr Cys  
85 90 95

Ser Arg Asp Asp Gly Ser Tyr Gly Ser Tyr Tyr Tyr Ala Met Asp Tyr  
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Trp Gly Gln Gly Thr Ser Val Thr Val Ser Ser Ala Ser  
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